TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-02-21-01** **Date: 23-02-17**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.

Project Name : Improvements and Construction of CC Road and Drainage Work Bhuvaneshwari Nagara 1st Main road & 1st, 2nd, 3rd & 4th cross road & Muneshwar Badavane Shivarj house Road & Back side Of the Market Road at Ward No.15 Dasarahalli. (2nd Call)

Customer's Reference : EE/DD/WO/113/16-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-02-17

Sample ID No : 2017-02-21-01/01

Customer ID : Cement Concrete Road

Sample Type /Size : 150X150X150mm

Sample grade/Age : M30 / 7

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/02/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Road	M30	15/02/2017	22/02/2017	149.61 X 150.22 X 149.76	22474	8.109	577.6	25.7	24.9
2	Cement Concrete Road	M30	15/02/2017	22/02/2017	148.88 X 151.22 X 150.16	22514	8.117	544.8	24.2	
3	Cement Concrete Road	M30	15/02/2017	22/02/2017	150.75 X 150.06 X 149.86	22622	8.165	561.0	24.8	

Note:
The results pertain to the samples received and tested.
All information furnished by the Customer/ Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harshitha

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರವರು
ಬಿ.ಬಿ.ಎಂ.ಪ ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-02-21-02** **Date: 24-02-17**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.

Project Name : Improvements and Construction of CC Road and Drainage Work Bhuvaneshwari Nagara 1st Main road & 1st, 2nd, 3rd & 4th cross road & Muneshwar Badavane Shivarj house Road & Back side Of the Market Road at Ward No.15 Dasarahalli. (2nd Call)

Customer's Reference : EE/DD/WO/113/16-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-02-17

Sample ID No : 2017-02-21-02/01

Customer ID : Cement Concrete Road

Sample Type /Size : 150X150X150mm

Sample grade/Age : M30 / 7

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/02/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Road	M30	16/02/2017	23/02/2017	150.22 X 149.87 X 150.22	22513	8.119	533.6	23.7	23.9
2	Cement Concrete Road	M30	16/02/2017	23/02/2017	150.54 X 149.87 X 150.27	22561	8.164	546.0	24.2	
3	Cement Concrete Road	M30	16/02/2017	23/02/2017	150.11 X 149.92 X 150.76	22504	8.196	535.6	23.8	

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****End of Report****

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Certificate No.: T- 4358

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-02-21-03** **Date: 25-02-17**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.

Project Name : Improvements and Construction of CC Road and Drainage Work Bhuvaneshwari Nagara 1st Main road & 1st, 2nd, 3rd & 4th cross road & Muneshwar Badavane Shivarj house Road & Back side Of the Market Road at Ward No.15 Dasarahalli. (2nd Call)

Customer's Reference : EE/DD/WO/113/16-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-02-17

Sample ID No : 2017-02-21-03/01

Customer ID : Cement Concrete Road

Sample Type /Size : 150X150X150mm

Sample grade/Age : M30 / 7

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/02/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Road	M30	17/02/2017	24/02/2017	149.22 X 150.76 X 150.26	22496	8.198	519.7	23.1	23.9
2	Cement Concrete Road	M30	17/02/2017	24/02/2017	151.88 X 150.92 X 150.65	22922	8.175	561.6	24.5	
3	Cement Concrete Road	M30	17/02/2017	24/02/2017	150.87 X 150.26 X 150.87	22670	8.160	548.6	24.2	

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Prepared by
Harshitha

CIVIL PRO Sig..... Date..... BANGALORE

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : **CP-2017-01-30-02** **Date: 02-03-2017**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Division, BBMP, Bangalore.

Agency : Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.

Project Name : Improvements and Construction of CC Road and Drainage Work Bhuvaneshwari Nagara 1st Main road & 1st, 2nd, 3rd & 4th cross road & Muneshwar Badavane Shivarj house Road & Back side Of the Market Road at Ward No.15 Dasarahalli. (2nd Call)

Customer's Reference : EE/DD/WO/113/16-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 30-01-17

Sample ID No : 2017-01-30-02/01

Sample Type : Zuari 53grade

Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 (Part 1,2 3,4,5, 6,11):1988
IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 6, Determination of Compressive Strength, Clause 6
IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6

Date of test : 31-01-2017 to 28-02-2017

Sl.No.	Physical properties	Results	Requirement as per IS 12269 : 2013
1	Fineness by dry sieving	3.49%	–
2	Finess by Air permeablity method	291.3m^2/kg	225m^2/kg, Min
3	Density	3.32 gm/cc	gm/cc
5	Standard Consistency	28.5%	Not specified
6	Initial Setting time	270 minutes	Not less than 30 minutes

CIVIL PRO Sig..... Date..... BANGALORE

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : **CP-2017-01-30-02** **Date: 02-03-2017**

Sample ID No : 2017-01-30-02/01

7	Final Setting time	365 minutes	Not more than 600 minutes
8	Soundness (Le Chatelier's Method)	2.0mm	Not more than 10 mm
9	Compressive Strength		
	3 Days	29.0N/mm^2	Not less than 27 N/mm^2
	7 Days	38.5N/mm^2	Not less than 37 N/mm^2
	28 Days	56.5N/mm^2	Not less than 53 N/mm^2

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Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harshitha

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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